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(71) Applicants (for all designated States except US): OHIO UNIVERSITY [US/US]; Technology Transfer Office, 20 East Circle Drive, Athens, GA 45701 (US). ICORIA, INC. [US/US]; 108 T.W. Alexander Drive, P.O. Box 14528, Research Triangle Park, NC 27709 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KOPCHICK, John, J. [US/US]; 4 Orchard Lane, Athens, OH 45701 (US). COSCHIGANO, Karen, T. [US/US]; 11703 Channingway Blvd., The Plains, OH 45780 (US). BOYCE, Keith,

(74) Agents: BROWDY, Roger, L. et al.; Browdy and Neimark, P.L.L.C., Suite 300, 624 Ninth Street N.W., Washington, DC 20001-5303 (US).

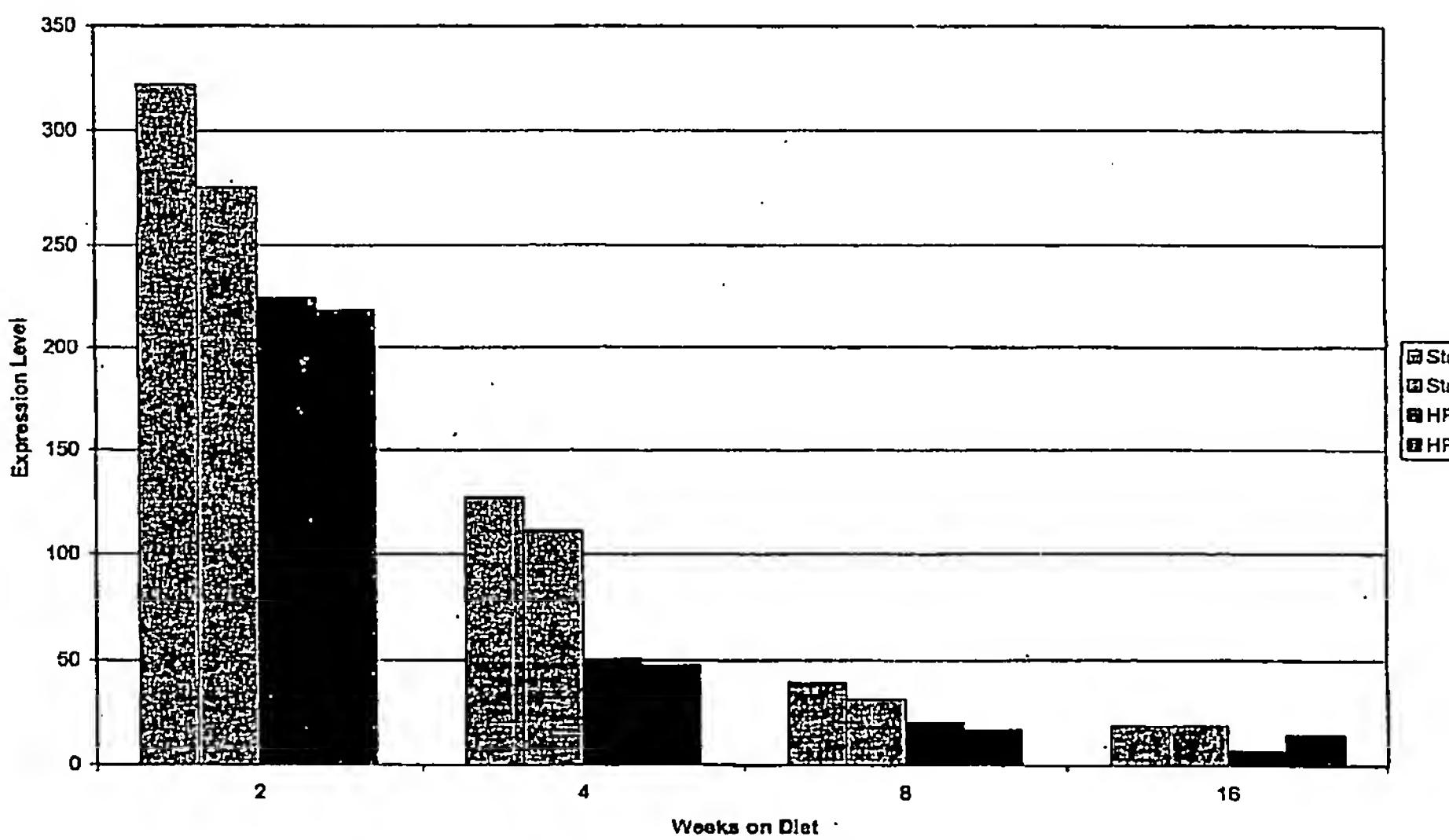
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(54) Title: DIAGNOSIS OF HYPERINSULINEMIA AND TYPE II DIABETES AND PROTECTION AGAINST SAME BASED ON GENES DIFFERENTIALLY EXPRESSED IN MUSCLE CELLS

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(57) Abstract: Mouse genes differentially expressed in comparisons of normal vs. hyperinsulinemic, hyperinsulinemic vs. type 2 diabetic, and normal vs. type 2 diabetic muscle by gene chip analysis have been identified, as have corresponding human genes and proteins. The human molecules, or antagonists thereof, may be used for protection against hyperinsulinemia or type 2 diabetes, or their sequelae.

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